

CRACKLIN' STATIC



SIERRA NEVADA Amateur Radio Society

Serving the Amateur Radio Community since April 16, 1968

<http://www.snars.org>

RENO, NEVADA

SEPTEMBER 2016

PRESIDENT'S VOICE

At this month's meeting we will have our Section Manager, John Bigley N7UR available for questions and will of course ask him to provide an overview of what is going on with the section along with this next year's NVCON 2017 in Las Vegas.

We will also open it up for nominations for the board of directors. The month of September is generally our time to allow those interested to nominate themselves or to nominate others. In October / November we will mail out the ballots and count the results at our December / Christmas Breakfast. If you are interested please attend and or send your nominations to the secretary, Rob Dunbar, NB6C at nb6c@snars.org.

We are also still looking for volunteers to help with the 2017 Reno Tahoe Hamfest and will be holding our first planning meeting in the next week or two. If you are interested in helping plan our first Reno Tahoe Hamfest at Boomtown please email Tony, W7XM at w7xm@snars.org. We welcome all and you don't have to have experience in planning a convention. We will teach you all that you will need to participate.

I hope everyone has had a great summer! Looking forward to seeing everyone this Saturday at our monthly breakfast meeting! Remember breakfast begins at 7:30 and the meeting at 8:00am.

73,
Tony, W7XM

SNARS meeting Saturday September 3



7:30 AM Boomtown Casino Hotel, I-80 exit 4, Verdi NV, in the Banquet/Conference Center.

John Bigley N7UR will be here with an overview of what's happening in the Nevada Section, and NVCON, and a Q & A session.



CRACKLIN' STATIC PUBLICATION

E-mail..... holden7471@msn.com

Cracklin' Static is the Newsletter of, and sponsored by the Sierra Nevada Amateur Radio Society. Opinions expressed herein are those of the editors and contributors and should not be considered as official expressions of the Club Officers, Staff or Club Members, or as endorsements by same.

Material for publication may be edited to enhance readability or to save space. We reserve the right to use whatever font size or line spacing may be required in order to publish this Newsletter.

Deadline for input to the newsletter is 1500 hours on the Sunday prior to the 1st Saturday of each month.

Cracklin' Static is e-published in Adobe PDF Format. It may be enjoyed at the SNARS web site.

Amateur Radio License Testing 2016

SNARS, Third Saturday of February, April, June, August, October and December. Testing will be at the REOC located at 5195 Spectrum Blvd., be there at 9 AM sharp! Bill Nichols... NN7K
SIERA CLUB: Silver State Charter High School, 788 Fairview Dr, Carson City..... 3rd Saturday of January, March, May, July, September, and November

.....Dale Anderson, kv7s@charter.net

Elko Area: Third Saturday of January, April, July, October.

11:00AM, Northeast Nevada Regional Hospital, 2001 Errecart Boulevard, Elko, NV w7gk_1@yahoo.com

SNARS, P.O. Box 7727, Reno, NV 89510

Membership: \$40 Individual, \$50 Family

OFFICERS 2015

President.....Tony Marcin.....W7XM
Vice President..... Jim Shepherd.....W6US
Trea\$urer.....Bill Jones.....AE7OX
Secretary.....Rob Dunbar.....NB6C
Director.....Steve Johnson.....KS6A
Director.....John Byerly.....N7ROJ
Director.....Barry Bettman.....K6ST

STAFF 2016

By Laws Review Committee.....vacant
Club Public Information Officer.....vacant
Control Operators Manager.....W7DED
Cracklin' Static Editor.....WB2AWQ
Meeting Greeters.....AE7OX
History Archivist.....KF7KTC
Station Licensee for KR7ENO.....WB2AWQ
Control Operators FOR KR7ENO.....WB2AWQ
Station Licensee for W7TA.....KE7VSR
Tech Committee Chair.....N7ROJ
Chief VE Examiner.....NN7K
Membership Chairman.....N2MOO
Program Chairman.....vacant
Web MasterW7XM
Facebook Page Administrator.....W7XM
Events (ARES) Coordinator.....WA6MTY
Education Team Chair.....W7XM
Reno Ham Swap.....NB6C
Field Day Co-chair.....KS6A
Field Day Co-chair.....W6US
Audit.....vacant
Noon Net.....KG7QXE

SNARS Repeater System Frequencies

I-80-Mt Rose Linked System (W7TA)

Reno, Sparks, Carson City (Ophir Peak) 443.075 + 123.0 Normal Operation
Lovelock, Black Rock Desert (Toulon Peak) 146.925 - 123.0 Normal Operation
Winnemucca 146.670 - 123.0 Normal Operation
Reno, Sparks (Virginia Peak) 147.030 + 123.0 Normal Operation
Carson City, Tahoe, Truckee (Mt Rose Knob) 147.150 + 123.0 Normal Op
Reno, Sparks, North Valleys (Peavine Peak) 147.210 + 100.0 Normal Operation
Yerington, Wellington (Lobdelle Peak) 444.875 + 100.0 Normal Operation

IRLP/EchoLink System (W7TA)

Reno, Sparks (GSR) 147.300 + 123.0 Connected to/Status:

Standalone Systems, Ragchew Repeaters (W7TA)

Reno, Sparks 52.580 - 114.8 Normal Operation
Reno, Sparks, Carson City, Dayton (Ophir Peak) 147.390 + 100.0 Normal Op
Reno, Sparks 927.1125 - 114.8 Normal Operation
Reno, Sparks, Carson City (Ophir Peak) 146.610 - 123.0 Not Linked, off air

Digital/APRS Systems (W7TA)

Reno, Sparks, Carson City (Ophir Peak) 145.050 - RNO Normal Operation
Carson City, Tahoe, Truckee (Mt Rose Knob) 145.050 - ROSE Normal Op
Lovelock, Black Rock Desert (Lobdelle peak) 144.390 - TOULON Normal Op

Portable Repeaters (KR7ENO)

Portable System 147.000 - 123.0 Special events only

DMR Digital Mobile Radio

Reno-Sparks 444.925 + CC1 DMR System
Reno, Carson, Dayton 444.825 + CC1
Lake Tahoe, Truckee 443.925 + CC1

C4FM Digital Repeater – YAESU OFF THE AIR

D-Star (N7NDS) NARRI

Reno-Sparks-Carson (Mt Davidson) 444.625 + (Module B)
Reno-Sparks-Carson (Mt Davidson) 145.175 - (Module C)

THE NAME OF THE GAME

By Jim Shepherd W6US nvjims@gmail.com

National Parks on the Air

The operations at Lassen Volcanic National Park



Thursday, August 25, was the 100th anniversary of the National Park System and some local hams decided to mark the occasion with operations in our nearest Park. Lassen is about a 2 hour drive north of the Reno area. There were 3 ham radio operations going on in the park, KG6CIH, Chris was using a handheld and a yagi from the very top of Lassen Peak at 10457' and working lots of stations on 2M. He was also giving credit for Summits on the Air. I didn't have the chance to visit his operation, but here is a picture of his QTH...

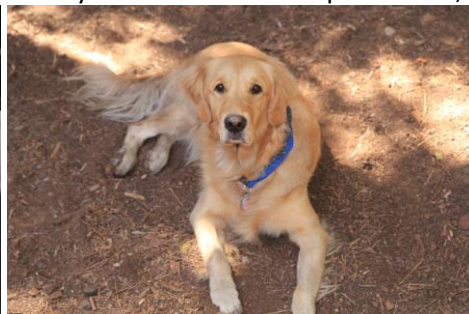


MOUNT LASSEN.....NO ADEQUATE COMMENT!

Next stop was the Manzanita Lake Campground where Board Members Steve, KS6A, and Barry, K6ST were set up. They had a nice shady spot with large trees all around just far enough south of the lake to be away from the mosquitoes, and in fact other than a couple of bees passing through, the site was devoid of insect life. There were striped ground squirrels (chipmunks), and one grabbed a banana out of the food box while I was there. Stellers jays were also hanging around the campsite and in the trees. The only other critter in camp was Elsie, Barry's very friendly dog.



STEVE KS6A



ELSIE

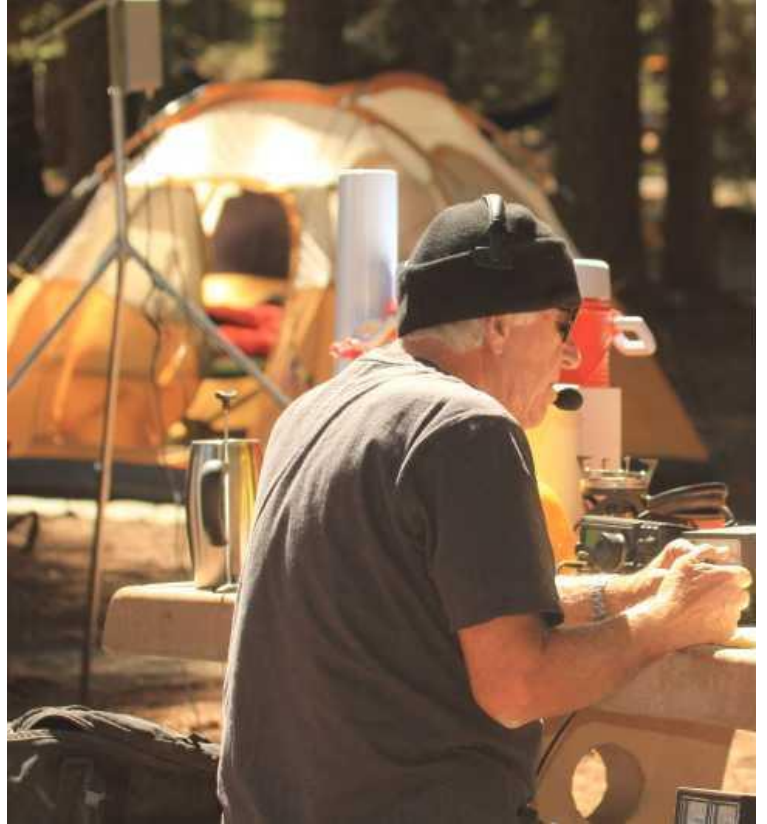


BARRY KS6T

The gang had not put up any wire antennas in the trees by the time I left, but the other crew had borrowed the antenna launcher. Primary antennas were the screwdriver antenna on Steve's truck and a tripod mounted N6BT vertical dipole (between Steve and the tent).



SCREWDRIVER ANTENNA ON KS6A's TRUCK



TRIPOD-MOUNTED VERTICAL BEHIND STEVE

They were using a Yaesu FT-897 on the HF bands. Contacts were slow as the bands were fairly dead and there was a high noise level. The noise was traced to Steve's truck and turning it off gave a big reduction in the noise. The cabling to use it outside of the truck was picking up engine noise.



The group had been coming to Lassen annually in August for many years, and until last year, there had been no restriction on generators during the day. In the past they had used them to keep the batteries up and run the rigs on normal power supplies. Running on batteries, there was virtually no noise.

15 up was dead, so most of the effort was on 20 and 40 when I was there in the middle of the day. It was definitely a relaxed operation. Shortly the rest of the group came down from the Summit Lake North campground. Bill, WB6CZG, and Todd, KH2TJ, had camped up there and were running under the callsign N6L for the event.



BILL WB6CZG



TODD KH2TJ

After some discussions about strategy and tactics and historical information from past expeditions to this site, we went back up to the upper campsite. Located on a ridge about 800' higher than Manzanita Lake, this campground is a little more open than the other. There were still plenty of trees, and they had a dipole strung about 40' up, a vertical, and a Buddy pole set up.



UPPER CAMPSITE



KH2TJ AT HIS RIG

They were running two stations for the K6L operation. Out in the middle of the operation, Todd was running a Yaesu FT-857 and also had 2m FM capability. Bill was using an Elecraft KX3 with the panadapter and the 100 watt amplifier. He was out of the weather in a great little trailer.



WB6CZG's RIG



WB6CZG's TRAILER

We were well represented for the NPS birthday in Lassen. A few campers wandering by had at least heard of ham radio, and were impressed that the crew had some Europe stations in the log. Neither campground had cell coverage, so it made the ability to communicate with someone more than shouting distance away a little more interesting. They will be up there through the weekend and should make a lot of contacts. Hopefully someone will 'spot' them on the clusters so they get to work some pileups.

The National Parks on the Air program will run through the end of the year so you can still get out there and setup an operation in the field. With the kids back in school, the crowds will decrease with the temperatures, and it is a great time of the year to visit the parks and monuments. There are still units that have not been activated, and others that are in demand. Go to <https://npota.arrrl.org/> for more information

MIKE'S MISSIVES CHAPTER SEVENTEEN

Part 97 -- Rules & Regulations

>>>> Remote operations and links <<<<

In today's time of deed and antenna restrictions, many amateurs find it convenient or even necessary to employ a *remote base station*. While not defined in Part 97, a remote base uses a form of auxiliary operation to both control and use the station. As such, they must follow the rules for auxiliary operation as well as those for remote control of a station. Remote control is defined in Part 97.3(a)(38) as "The use of a control operator who indirectly manipulates the operating adjustments in the station through a control link to achieve compliance with the FCC Rules"

Weekly nets on the SNARS repeater systems

SNARS Noon net (daily, 12:00 PM, see below)

147.150 + 123.0, 147.210 + 100.0, 147.030 + 123.0, 444.875 + 100.0

The Morning Net (Monday – Friday at 10:00 AM)

147.300 + 123.0

Bishops Storehouse Net (Monday nights at 9:15 PM)

147.150 + 123.0, 147.210 + 100.0, 147.030 + 123.0, 444.875 + 100.0

North Western Nevada ARES Net (Tuesday nights at 7:00 PM)

147.150 + 123.0, 147.210 + 100.0, 147.030 + 123.0, 444.875 + 100.0

State SATERN Net (Tuesday nights at 8:00 PM)

147.300 + 123.0

State SKYWARN Net (Wednesday nights at 7:00 PM)

147.150 + 123.0, 147.210 + 100.0, 147.030 + 123.0, 444.875 + 100.0

Northern Nevada Preppers Group Net (Wednesday nights at 8:00 PM)

147.150 + 123.0, 147.210 + 100.0, 147.030 + 123.0, 444.875 + 100.0

State ARES Net (Thursday nights at 7:00 PM)

147.300 + 123.0

THE SNARS NOON NET

The Noon Net is on 147.030 + and 147.150+, PL 123.0, and 147.210 + and 444.875+, PL 100.0 . The net is held weekly at 1200, Sunday afternoon. This is a Q&A and information net for newly licensed hams and all hams wishing to ask question about different aspects of Ham Radio. It will give new hams in particular a venue for getting on the air in a controlled net moderated by a ham with experience. The net is open to all hams. Questions will be answered and discussed by the more experienced hams on the Net.

* * * * *

NAME THAT RIG



(Answer on page 6)

SNARS CALENDAR

SNARS monthly meeting (breakfast!)

Saturday, September 3rd, 8:00 AM

Boomtown Casino Hotel, I-80 exit 4, Verdi NV

QCWEA Nevada Chapter meeting

Saturday, Sept 10th, 11:00 AM to 12:00 Noon

Famous Dave's Bar-B-Que, 4925 Kietzke Ln, Reno, NV

Technical Committee Meeting - SNARS

Wednesday, Sept 13th, 2016 6:00 PM - 7:00 PM PDT

**Washoe County Regional Emergency Operations Center,
5195 Spectrum Blvd Reno, Nevada 89512**

Board of Director's Meeting - SNARS
Wednesday, Sept 20th, 2016 6:00 PM - 7:00 PM
Washoe County Regional Emergency Operations Center,
5195 Spectrum Blvd Reno, Nevada 89512

WELCOME NEW SNARS MEMBERS!

NEW MEMBERS FOR AUGUST 2016

Sean	McKimmey	KI7GJP
Cindy	Petrini	KI6OUO
Barry	Tuttleman	KI7FGE
Michael	Van	N7AIS

Total Active Membership 284

FUN STUFF FOR AUGUST

Looking for some excitement on the bands during the summer? There's something for everyone on the air!

10 Sep 1800 to 12 Sep 0300 ARRL September VHF
Contest CW Ph Dig www.arrl.org/september-vhf

11 Sep 1300 to 14 Sep 0800 Classic Exchange CW
www.classicexchange.org

17 Sep 0600 to 18 Sep 2359 ARRL 10 Ghz and Up contest
CW Ph Dig www.arrl.org/10-ghz-up

24 Sep 0000 to 25 Sep 2359 ARRL EME Contest CW Ph
Dig www.arrl.org/eme-contest

25 Sep 1300 to 28 Sep 0800 Classic Exchange Ph
www.classicexchange.org

For a full list of contests, see:

[http://www.arrl.org/files/file/Contest%20Corral/2016/
September 2016 CORRAL.pdf](http://www.arrl.org/files/file/Contest%20Corral/2016/September%202016%20CORRAL.pdf)

If you're not into contests, there's always DX to chase!
Some of the better DX coming up in September:

Sep01 to Sep04	Mongolia	JT5NH
Sep01 to Sep15	East Kiribati	T32AZ
Sep03 to Nov25	Pitcairn I	VP6AH
Sep06 to Sep24	Mongolia	JT
Sep07 to Sep12	Svalbard	JW
Sep23 to Oct04	Isle of Man	MD
Sep23 to Sep28	Fernando de Noronha	PX0F
Sep24 to Oct08	Seychelles	S79KB
Sep24 to Oct10	Kenya	5Z4
Sep24 to Oct03	Solomon Is	H44GC
Sep24 to Oct24	West Kiribati	T30COW
Sep25 to Oct15	Norfolk I	VK9NZ

Visit <http://www.ng3k.com/Misc/adxo.html> for current
info and full lists!

NAME THAT RIG (from pg 5)

In 1958, for just \$24.95, or payments of \$5 per month, you could own a Knight Kit Span Master receiver. This regenerative, two-tube kit covered the BC band through 30 Mcs (that's Mhz for you newbies) in four bands. Utilizing regenerative receive principles, the Span Master was a sensitive yet economical receiver for the beginner. It featured easy assembly, built-in loudspeaker, bandspread, and fine regeneration control. While not a real pro communications receiver, the Span Master held its own, and introduced many a budding electronics buff to the world of short-wave and Amateur Radio. The Span Master was sold via the Allied Radio catalog into the late 60's. Yours truly just acquired one – a hankering for the simple radio life – and it indeed plays very well, and will be used in the upcoming Classic Exchange.

* * * * *

ARES NEWS

RENO AIR RACES 9/11/2016 to 9/18/2016

We have been asked again to help with security as follows during the Air Races, starting (from 0745-1700) If you would like to earn a free pass to the entire Air Race (a \$450 value), you must commit to work a minimum of 15 hours. You can break it up into 5 hour chunks or 10 hour chunks if you like.

1. Gates 1, 3 and 9
2. Pit gate
3. Reserved seating grand stands Wed-Fri 9/14-9/18

Check the RARA website (<http://airrace.org/>) to see the fantastic entertainment planned for this year's event. Come on out and help and have a lot of fun. Also bring along families and friends (16 years old minimum) to help out and we can get them free passes as well.

CONTACT:

Rick Russell KF7KEM
Washoe County Amateur Radio Emergency Service
Assistant Emergency Coordinator
dc-russell@charter.net
775-772-6592

Tahoe 200

Sorry for the short notice but two years ago we provided communications for the Tahoe 200 (<http://www.tahoe200.com/>) and last year I couldn't help with Net Control because I am involved with the AIR RACES. The Director, Candice Burt is looking for help again this year. They tried Sat phones and that didn't work. Again this year I can't help with net control but if any of you can help out this year please let me know. I will at least try to help with coordinating. Please let me know if you can help, when and for how long... Also I will need a team of 2 for Net Control.

Dates are Sept 9 thru 13. CAN YOU HELP?

Expanded full calendar of ARES events requiring communications, including contact info

EVENT 2016	DATE	DATE END	SPONSOR/ORGANIZER	COORDINATOR	CONTACT
Tour De Tahoe	9/11/16		Tahoe Amateur Radio Assn	Paul McCaffee	paul.mcafee@att.net
Reno Air-Races	9/14/16	9/18/16	WC-ARES	Rick Russell KF7KEM	wa6mtty@gbis.com
Edible Pedal 100	9/18/16		Sunrise Rotary Club	Bob Miller WA6MTY	wa6mtty@gbis.com

Bob Miller WA6MTY
Amateur Radio Emergency Service Emergency Coordinator
775 843-5952 www.wc cares.us

FEATURED PRODUCT

**This package is an unbeatable deal!
Here are some features:**

- Vertical antenna (80-2 meters)
- 150 watt PEP capacity
- 25' counterpoise w/ winder
- Jaw-mount bracket (for horizontal or vertical mounting)
- PL-259 connector

SNARS PRICE: \$89.95

REGULAR PRICE: ~~\$99.95~~

ABOUT US...

We carry a variety of new products such as antennas, mag mounts, switches, coax cable, connectors, and more.

We also have a wide selection of both vintage and modern ham gear, which you are more than welcome to peruse at your leisure. From Collins to Elecraft, you never know what we'll have on our racks!

If you're looking for anything particular, give us a call and we'll add you to our "wanted" list. The next time we find that specific piece, we'll give you a call before it's listed for sale anywhere else!

Ham&HiFi

155 Glendale Ave
Suite 12
Sparks, NV 89431
775-386-2506
www.hamandhifi.com

WE BUY EQUIPMENT

We are always buying used equipment whether it's ham gear, high fidelity audio, tubes, or test equipment. Whether it's vintage tube equipment or the latest product on the market, working or not, near or far, we would love to hear from you. Give us a call for more information!



Board of Directors Meeting

August 17, 2016 - 6:00 PM

Washoe County Regional Emergency Operations Center
Board Room
5195 Spectrum Blvd, Reno

DRAFT MINUTES - To Be Approved on September 21, 2016

1. Call to order at 6:02 PM

Anthony Marcin, W7XM	Yes	Barry Bettman, K6ST	Yes	Rob Dunbar, NB6C	Yes
Bill Jones, AE7OX	Yes	John Byerly, N7ROJ	Yes	Steve Johnson, KS6A	Yes
Jim Shepherd, W6US	Yes				

Visitors

Wes KG7QXE, Pat W7DED

2. Approval of Minutes

- A. NB6C moved to approve the minutes as amended from the July 20th Board of Directors meeting. The motion was seconded by W6US and the motion passed.
- B. NB6C moved to approve the July 20th agenda as presented. K6ST seconded the motion and passed.

3. Reports

A. President's Report -

- 1. Nothing to report.

B. Secretary Report

- a. Status Report, nothing to report at this time.
- b. No update on changing club from Chapter 81 to Chapter 82. Clubs charter expires in 2018. W7XM has started and will hand off to Secretary.
- c. Election nomination will be open for the month of September.

C. Membership Coordinator

- a. Membership Status Report – There are currently 297 Members and membership will fluctuate as members renew.

D. Treasurer

- a. Balances as of May 31: Checking: \$6,804 Savings: \$3,242 PayPal: \$3,641 Trust Fund: \$10,098 for a total of \$23,785 Bank statements were handed out for everyone to review and confirm.

E. Technical Committee - Report

- a. W6US working on quotes parts for SNARS repeaters. Steve Kometz has some integration things done
- b. N7ROJ said we will run Ethernet up to repeater at GSR. This will get IRLP back up.
- c. Everything is back up and running.
- d. We have new repeater destined for Mt Rose should be up this season. There will be some other equipment to be removed and replaced from Mt. Rose.
- e. W6US has the UHF Kenwood access repeater to be installed in Peavine.
- f. W6US reported Lobdell repeater sounded off. Further investigation is needed.
- g. N7ROJ reported the issues at the 15 machines something is some other commercial transmitter. Dave Metz is investigating.

F. Control Operators / Trustee - Report

- a. Pat Sheehan reprogrammed the DTMF mute feature on Peavine and Virginia Peak.

G. Events

- a. Ham Swap – Tentative date for September 24
- b. Reno-Tahoe Hamfest – A planning committee will be formed to work on the Hamfest. We have reserved the dates May 12 and 13 at Boomtown.

H. Education Team

- a. Technician classes will be held for 3 weeks starting November 1. Classes will be held on Tuesdays and Thursdays.

I. Noon Net

- a. Still looking for new net control operators. Nothing else to report

J. HF Team

- a. Intro to HF will be the first meeting. A HF 101 presentation will be held during SNARS breakfast meeting.
- b. Training meeting for the HF team will be held 6pm September 13 at Boomtown.

4. New Business

- A. Barry K6ST has volunteered to work on planning the holiday party.

5. Next Meeting

- A. September 21, 2016 - Wednesday at 6:00PM - Washoe Regional Emergency Operations Center

6. Public Comments

- A. Open for Comments - No Public Comments

7. Adjournment at 6:45 PM NB6C, N7ROJ